

LISTING OF THE CLAIMS

1. **(amended)** An ejector nozzle, comprising:

a conical tube disposed about coaxially with a fuel injector nozzle, said conical tube comprising an interior wall and open first and second inlet and outlet ends, wherein said ~~first~~ inlet end is disposed ~~proximal~~ adjacent to said fuel injector nozzle and comprises a diameter smaller than a diameter of said ~~second~~ outlet end ~~[[;]]~~ and a fairing structure comprising a smoothly curving edge, rolling outward from said inlet end and away from said interior wall at a constant radius; and

means for supporting said conical tube at a fixed distance equal to about 1 to about 2 times said inlet diameter away from said fuel injector nozzle.

2. – 4. **(canceled)**

5. **(amended)** The ejector nozzle of claim ~~[[4]]~~ **1**, wherein said fairing structure comprises a rolled annulus ~~has a third~~ having a cross-section width with a diameter of about 0.5 0.25 to about 0.8 0.4 times said ~~first~~ inlet diameter.

6. **(amended)** The ejector nozzle of claim ~~[[4]]~~ **1**, wherein said ~~center line has~~ fairing structure comprises a ~~fourth~~ diameter about equal to the sum of said ~~first~~ inlet diameter and twice said ~~third diameters~~ constant radius.

7. **(original)** The ejector nozzle of claim 1, wherein said interior wall is angled outward from a central axis at about 7° to about 9°.

8. (amended) The ejector nozzle of claim 1, wherein said conical tube further comprises a length about equal to 1 to about 4 times said ~~first~~ inlet diameter.

9. (canceled)

10. (amended) An ejector nozzle, comprising

a conical funnel disposed about coaxially with a fuel injection nozzle, said conical funnel comprising:

a length;

an open inlet end having a first diameter;

an open outlet end opposite said inlet end, said outlet end having a second diameter greater than said first diameter; and

a substantially flat interior wall disposed between said inlet and said outlet ends and terminating at said inlet end in a rolled edge directed outward and away from said interior wall ~~and about a center line in the plane of said inlet end with a~~ constant radius, said rolled edge comprises a fairing structure having a third diameter, ~~wherein said center line has a fourth diameter about equal to the sum of said first~~ diameter and twice said third diameter ~~constant radius~~; and

means for supporting said conical duct above said injector nozzle at a distance equal to about 1 to about 2 times said first diameter from said inlet end.